Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

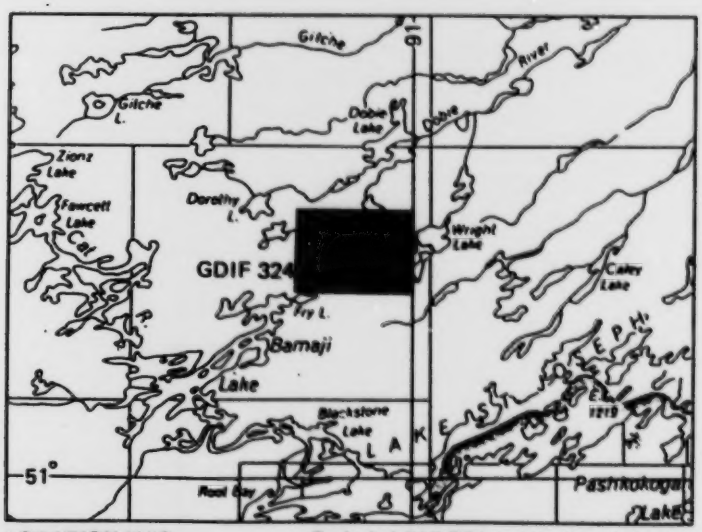
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 324

KAWASHE LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

87-00342/

NTS Number 520/06SE

Mining Claim Map Number G-2083

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Kawashe Lake Area; Ontario Geological Survey, Geological Data Inventory Folio 324, compiled by the staff of the Resident Geologist's Office, Sioux Lookout, 22 pages and 3 maps.

Original Compilation by: C. Proctor, M. Sawtelle

Date	Page Revised	Revised by

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KAWASHE LAKE AREA

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ACCOMPANYING MAPS

Property Location Map 2
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2 204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	CP
2	Assessment Files Research Office, Toronto	N/A	CP
3	ODM General Index; 9 Volumes	Yes	CP
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	CP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	CP
6	ODM Industrial Mineral Reports	No	CP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	CP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	CP
9	Newspaper Clippings File	Yes	CP
10	GSC Index to Publications	Yes	CP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	CP
12	OGS Index Maps	Yes	CP
13	Source Mineral Deposit Records (O.G.S.)	Yes	CP
14	Author - Subject Articles File	No	CP
15	Miscellaneous Papers: ODM & OGS	Yes	CP
16	ODM Geological Circulars: OGS Study Series	No	CP
17	ODM Preliminary Reports: ODM Bulletins	Yes	CP
18	ODM – OGS Open File Reports	Yes	CP
19	OGS Northern Ontario Engineering Geology Terrain Studies	No	CP
20	OGS Aggregate Resources Inventory Papers	No	CP
21	OGS Mineral Potential Maps	Yes	CP
22	Aerial Photographs of the Sioux Lookout, Kenora Area	No	CP
23	Unpublished Theses	No	CP

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- ▲ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- ▲ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- △ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	MUSKEGSAGAGEN LAKE WEST	Au	02127	--	AFRO 1963, Kawashe Lake Area, DHR 11 OGS 1973, P.808, Bamaji Lake OGS 1976, OFR 5180, p.220,223,251 OGS P.1542, 1978 OGS P.1500, 1977 OGS Map 44f, 1935
B	MUSKEGSAGAGEN LAKE	Au,Ag		--	OGS-OFR 5180, 1973 p.220,223,251 OGS, P.808, Bamaji Lake AFRO 1963, Kawashe Lake DHR 10 OGS, P.1542, 1978 OGS, P.1500, 1977 OGS, Map 44f, 1935
C	JACKNIFE LAKE NORTH	Ni,Cu		--	OGS, 1976, OFR 5180 p.224,226,243,252 OGS, 1973, P.808

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D	JACKNIFE LAKE OCCURRENCE	Fe	--	--	MRC #11, p.221 ODM Map 44f ODM, VOL.XLIV, pt.6, p.66 OGS P.1041
E	CENTRAL PATRICIA OCCURRENCE	Au	--	--	St. Joe Find Northern Miner-March 31/86 Northern Miner-March 24/86 Northern Miner-March 17/86

KAWASHE LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	GRAVITIVITY		
COMPANY/AUTHOR (file number)																				
A	Union Miniere Explorations (520/10SE-0011)	71							71	71										
B	Umex Corporation Limited Inco Limited (520/09SE-0035)				73															
C	Cochenour Willans, G. (520/06SW-0012-B1)	71											71							
D	Cochenour Willans, G. (520/06SW-0013)											72	72							
E	Cominco L imited (520/06SW-0015)											79	79					79		
F	Cominco Limited (520/07SW-0014)								78											
G	New Jersey Zinc Exploration (520/06SE-0010)				63															
H	New Jersey Zinc Exploration (520/06SE-0011-A1)				63															
I	Cochenour Willans, G. (520/06SE-0011-C1)				70															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
J	Umex Corporation Limited (520/06SE-0011-D1)				72															
K	Cochenour Willans, G (520/06SE-0012-A1)				71															
L	Umex Corporation Limited (520/06SE-0012-D1)				73															
M	Cochenour Willans, G. (520/06SE-0013-A1)				70															
N	Cochenour Willans, G. Coin Lake Gold Mines Selco Mining Corp L (520/06Se-0013-B1)				72															
O	Cochenour Willans, G. Selco Mining Corp L (520/06SE-0014)				71															
P	Cominco Limited (520/06SE-0015-A1)				81															
Q	Cochenour Willans, G. Coin Lake Gold Mines L Selco Mining Corp L (520/06SE-0015-D1)				72															

GDIF FORM NO. 2

KAWASHE LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
R	Cominco Limited (520/06SE-0016-A1)				81															
S	Cochenour Willans, G. (520/06SE-0017)											71	71							
T	Union Miniere Exploration (520/07SW-0015)								73											
U	Dome Exploration Canada L (520/06SE-0018)											85	85							
V	Noranda Exploration Canada Limited (520/06SE-0019)	85	85									85	85							
W	St. Joe Canada Inc (520/06SE-0020)	85										85	85							
X	St. Joe Canada Inc (520/06SE-0021-A1)								84											
Y	St. Joe Canada Inc (520/06SE-0022)				85															
Z	St. Joe Canada Inc (520/06Se-0023)				85															

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KAWASHE LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																				
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY				
	COMPANY/AUTHOR (file number)																				
AA	St. Joe Canada Inc (520/06SE-0024)				85																
AB	St. Joe Canada Inc (520/06SE-0025)											84									
AC	Northern Dynasty Explorations Limited (Ontario Gold Joint Venture) (520/02NW-0020)	85	85									85	85								

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Cochenour Willans Gold Mines	B-25-71-1	1971	90	-45	14	101	py,po	--
		B-25-71-3	1971	90	-45	9	135	po,py	--
2		B-25-71-4	1971	90	-45	14.6	135	po,py	--
3		B-25-71-2	1971	90	-45	10	102	po,py	--
4	Umex Corporation Inc	C-144	1973	230	-45	24	252	--	--
5		C-145	1973	210	-45	25	275	po,py	--
6		C-146	1973	240	-45	53	220	po,py	--
7		C-147	1973	200	-45	110	201	po,py	--
8		C-149	1973	230	-45	28	254	po,py	--
9	Cochenour Willans Gold Mines	B-30-70-4	1970	North	-55	31	153	po	Au,Ag
10		B-44-72-6	1972	180	-45	12	101	py,po,cp,gt	--
11		B-44-72-7	1972	North	-45	7	101	gt,po,py,sp	--
12		B-44-72-8	1972	North	-45	8	101	gt,mag,po,py	--
13		B-44-72-14	1972	North	-45	9	230	po,py,gt	--
14		B-44-72-9	1972	North	-45	7	126	gt,mag,po,py, sp	--

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
15	Cochenour Willans Gold Mines	B-44-72-10	1972	North	-45	12	152	po,py	--
16		B-44-72-15	1972	North	-45	16	142	po,py,gt	--
17		B-44-72-16	1972	North	-45	28	113	py,po	--
18		B-30-70-6	1970	North	-45	11	101	py,po,cp	--
		B-30-70-7	1970	North	-65	7	103	py,po,cp,zn	--
		B-30-70-9	1970	North	-45	9	103	po,py	--
		B-30-70-10	1970	North	-45	15	102	po,py,zn	Au,Ag
		B-30-71-13	1971	North	-45	15	101	po,cp,py,sp	--
		B-30-71-14	1971	North	-45	11	131	py,po,cp	--
		B-30-71-16	1971	North	-45	9	133	py,cp	--
19	Cominco Limited	ML-81-12	1981	45	-49	3.5	356	po,py	--
20		ML-81-14	1981	330	-45	3.0	302	po,py,cp	--
21		ML-81-15	1981	150	-45	3.4	276	po,py	--
22	Cochenour Willans Gold Mines	B-46-72-1	1972	180	-45	11	131	po,py,cp,sp	--
23	Cominco Limited	ML-81-14A	1981	330	--	--	2.4m	--	--
		ML-81-14B	1981	330	--	--	3.7m	--	--

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
24	St. Joe Canada Inc	MW-85-01	1985	225	-45	6m	160m	po,py	--
25		MW-85-03	1985	45	-45	3m	230m	py,po	--
26		MW-85-04	1985	45	-45	3m	193m	py	--
27		MW-85-05	1985	225	-45	5m	125m	po	--
28		MW-85-07	1985	225	-45	5.5m	150m	py,po	--
29		MJ-85-12	1985	220	-45	8m	122m	py,po,gf	--
30		MJ-85-15	1985	40	-45	13.2m	80m	py,po	--
31		MJ-85-18	1985	40	-45	6m	210.5m	tour	--
32		MJ-85-20	1985	40	-45	21.5m	251m	py,gf,po	--
33	Cochenour Willans Gold Mines Selco Inc	B-29-70-1	1970	North	-45	8	101	--	--
		B-29-70-2	1970	North	-45	15	101	po,py,cp	--
34	New Jersey Zinc Expl.	M-1-63	1963	S11W	-45	6.2	73.8	Au	Au
		M-2-63	1963	S11W	-45	5.7	70	--	Au
		M-3-63	1963	S11W	-45	3.5	157.5	py,Au	Au
		M-4-63	1963	S11W	-45	2.7	80.7	Cp,Au	Au
		M-5-63	1963	S11W	-45	17	151.1	py,Au	Au

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Compelted	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
35	New Jersey Zinc Expl	M-6-63	1963	S20W	-45	3.3	165	py,cp	Au
36	Umex Corporation	C-79	1972	S25E	-45	8	266	py,po	--
37		C-82	1972	S25E	-45	9	240	py,po	--
38	St. Joe Canada	MN-85-38	1985	205	-45	4.4m	83m	mag	--
39		MN-85-37	1985	205	-45	3.5m	101m	py,po	--
40		MN-85-36	1985	205	-45	4.0m	131m	py	--
41		MN-85-35	1985	205	-45	3.0m	131m	py	--
42		MN-85-34	1985	205	-45	2.0m	182m	py,po,cp	--
43		MN-85-30	1985	205	-45	2.0m	182m	py,po,cp	--
44	Umex Corporation Inco Limited	C81	1973	--	--	--	257	py,po	--
45		C82	1973	--	--	--	240	py,po	--
46		C115	1973	--	--	--	150	py,mag	--
47		C126	1973	--	--	--	200	py,po,cp	--
48		C133	1973	--	--	--	200	--	--
49		C140	1973	--	--	--	285	py,po	--
50		C141	1973	--	--	--	251	py	--
51		C143	1973	--	--	--	250	py	--

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
52	Umex Corporation Inco Limited	C148	1973	--	--	--	252	py,po	--

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
A	By: Spartan Aero L For: Union Miniere Expls (520/10SE-0011)	Magnetic and Electromagnetic	150'	N30°E N40°W	1/4 mile
F	By: Questor Surveys L For: Cominco L	Magnetic	400'	E/W	660'
T	By: Canico For: Union Miniere Expls (520/07SW-0015)	Magnetic	500'	S/W	1/4 mile
X	By: Questor Surveys L For: St. Joe Canada Inc (520/06SE-0021-A1)	Magnetic	122m	N/E	200m

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
V	Basal Till	Au, Cu	Noranda Exploration Canada Limited	520/06SE-0019
AC	Soil	Multispecteral Analysis Au,Ag,Cu,Pb	Northern Dynasty Explorations Limited	520/02NW-0020

*Note - Due to the large number of sample site areas, each individual site could not be listed or plotted on the map.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
No Data as of 1986				

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sioux Lookout

St. Joe Canada p.95,92a+b,91

ODM GENERAL INDEX SEARCH

Words searched: Kawashe Lake, Muskegsagagen Lake, Kaminiskag Lake, Jacknife Lake, Obaskaka Lake, Billet Lake, Cochenour Willans Gold Mines, New Jersey Zinc Explorations

Index Volume	Listing:	Report Volume	Part	Page
III	Geology of the Cat River-Kawinogans Lake Area	LXIV	VI	53-73

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

KAWASHE LAKE AREA

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Stott, G. M. Wallace, Henry	1984	Regional Stratigraphy and Structure ofthe Central Uchi Subprovince: Meen Lake/Kasagiminnis Lake and Pashkakogan Lake Sections. Summary of Field Work 1984, O.G.S.	MP 119	--
Janes, D. A. Huggins, R. B.	1985	Sioux Lookout Resident Geologist's Area, Northwestern Region, p.44-55 in Report of Activities 1984, Regional and Resident Geologist, edited by C. R. Kustra, O.G.S. MP122	MP 122	--
Sage, R. P. Breaks, F. W.	1982	Geology of the Cat Lake-Pickle Lake Area, Districts of Kenora and Thunder Bay, O.G.S., Report 207, 238p. Accompanied by Map 2218	GR 207 Map 2218	1:253,440
Meyn, H. D. Robertson, James A.	1975	Iron Deposits of Ontario, West Central Sheet District of Kenora, Thunder Bay, Algoma and Cochrane. O.D.M. Preliminary Map P.1041	ODM P.1041	1"=16 miles 1:1,013,760
Robertson, James A. Vos, M. A. Springer, Janet	1976	Mineral Potential Map of Ontario 1976, West Central Sheet, O.D.M. Preliminary Map P.1098	ODM P.1098	1"=16 miles 1:1,013,760
Springer, Janet	1978	Ontario Mineral Potential, Lake St. Joseph Sheet, Districts of Thunder Bay and Kenora, O.G.S. Preliminary Map P.1542	ODM P.1542	1:250,000
Sage, R. P. Breaks, F. W.	1976	Operation Pickle Lake, Open File Report 5180	OFR 5180	--
Riley, R. A. King, H. L. Kustra, C. R.	1971	Mineral Exploration Targets in Northwestern Ontario, MP 47	MP 47	--
O.G.S.	1963	Geochemistry - Copper in Bedrock, Kenora and Thunder Bay Districts	Map 50-1963	1:253,440

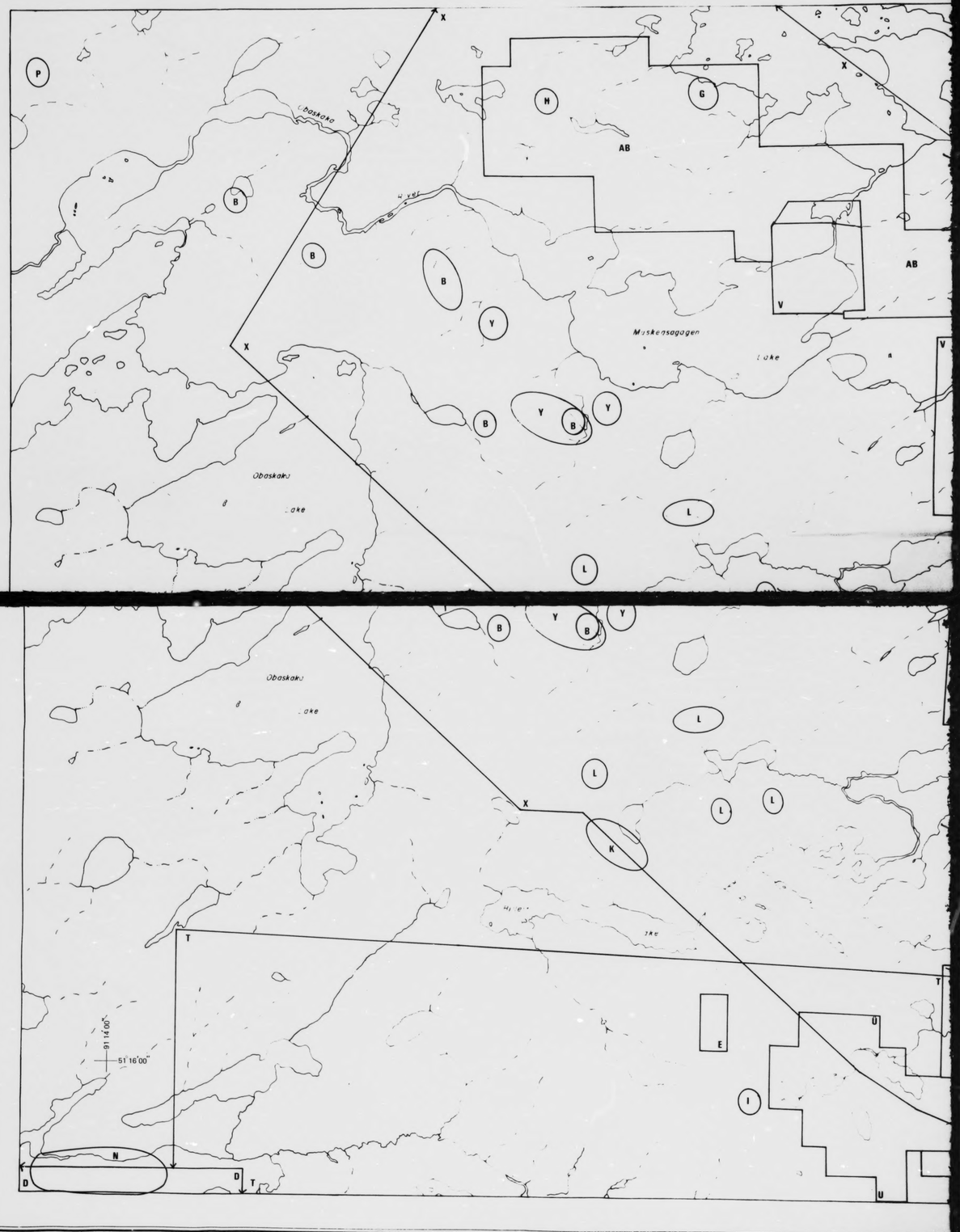
SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
G.S.C.	1963	Aeromagnetic Series - Geophysics Paper 7010G Lake St. Joseph Sheet 52/0	Map 7010G	1:253,440
Harding, W. D.	1934	The Cat River-Kawinogans Lake Area, Patricia-Kenora District, Ontario - O.D.M. Preliminary Report 1934-3	PR 1934-3	--
O.D.M.	1935	Cat River-Kawinogans Lake Area - to accompany report by W. D. Harding O.D.M., Annual Report	Map 44f	--
Sage, R. P. Breaks, F. W. Troup, W. R.	1973	Operation Pickle Lake, Bamaji Lake, Lake St. Joseph Sheet, District of Kenora, O.D.M. Preliminary Map P.808	P.808	1"=2 miles
Speed, A. A. Palonen, P. A.	1977	Kawashe Lake Area, District of Kenora, Ontario Geological Survey Preliminary Map P.1500, Sioux Lookout Data Series.	P.1500	1:15,840 1"=1/4 mile
Emslie, R. F.	1961	Geology, Lake St. Joseph, Ontario	GSC 51-1960	1"=4 miles
Shklanka, R.	1968	Iron Deposits of Ontario, Ontario Department of Mines	MRC 11	

NOTES AND ADDENDA

AERIAL PHOTOGRAPHS - No Data as of 1986

GDIF FORM NO.10



Ministry of Northern Development and Mines
Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 324

(Map 1 of 3)

KAWASHE LAKE LAKE AREA

KENORA DISTRICT
PATRICIA PORTION

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

■ Reference number is always inside work area outlined. See listing in text pages.

□ Small area exploration.

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 324

(Map 2 of 3)

KAWASHE LAKE AREA

KENORA DISTRICT
PATRICIA PORTION

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Obaskaka River

Muskegsagagen Lake

Obaskaka Lake

Billett Lake

Kaminiskag Lake

Kawashe Lake

Jacknife Lake

51 21' 30"

91 01' 00"

51 16' 00"

91 14' 00"

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis : definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and or gravel pit
- Open pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Ministry of Northern Development and Mines
Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 324

(Map 3 of 3)

KAWASHE LAKE AREA

KENORA DISTRICT
PATRICIA PORTION

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, —dh reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

Obaskaka Lake
Obaskaka River
Muskegsogogen Lake
Kominskog Lake
Kominskog River
Kawashe Lake
Billett Lake
Billett Creek
Gronsdahl Lake
Mausenog Lake
51°21'30"
91°01'16"
51°16'00"
91°14'00"